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| Form PTO-1449 (Substitute) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | Attorney Docket Number IMIN-01005US1 | Serial/Patent Number Unknown |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i> | | Applicant/Patent Owner Lemkin, et al. | |
| | | Filing/Issue Date Herewith | Group Art Unit |

J-057 U.S. PTO
 09/59/593
 06/13/00

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----------------|----------|-------------------|-------|----------|-------------|--|
| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date | |
| HR | 4,061,043 | 12/6/77 | Stiles | 11 | 11 | | |
| HR | 4,511,848 | 4/16/85 | Watson | 11 | 11 | | |
| HR | Re. 32,931 | 5/30/89 | Staudte | 11 | 11 | | |
| HR | Re. 33,479 | 12/11/90 | Juptner, et al. | 11 | 11 | | |
| HR | 5,016,072 | 5/14/91 | Greiff | 11 | 11 | | |
| HR | 5,025,346 | 6/18/91 | Tang, et al. | 11 | 11 | | |
| HR | 5,203,208 | 4/20/93 | Bernstein | 11 | 11 | | |
| HR | 5,349,855 | 9/27/94 | Bernstein, et al. | 11 | 11 | | |
| HR | 5,383,362 | 1/24/95 | Putty, et al. | 11 | 11 | | |
| HR | 5,392,650 | 2/28/95 | O'Brien, et al. | 11 | 11 | | |
| HR | 5,450,751 | 9/19/95 | Putty, et al. | 11 | 11 | | |
| HR | 5,488,863 | 2/6/96 | Mochida, et al. | 11 | 11 | | |
| HR | 5,495,761 | 3/5/96 | Diem, et al. | 11 | 11 | | |
| HR | 5,505,084 | 4/9/96 | Greiff, et al. | 11 | 11 | | |
| HR | 5,505,085 | 4/9/96 | Kasanami, et al. | 11 | 11 | | |
| HR | 5,530,342 | 6/25/96 | Murphy | 11 | 11 | | |
| HR | 5,563,343 | 10/8/96 | Shaw, et al. | 11 | 11 | | |
| HR | 5,569,852 | 10/29/96 | Marek, et al. | 11 | 11 | | |
| HR | 5,597,955 | 1/28/97 | Leger, et al. | 11 | 11 | | |
| HR | 5,600,064 | 2/4/97 | Ward | 11 | 11 | | |

| OTHER DOCUMENTS (Include Author, Title, Date, Pertinent pages, etc.) | |
|--|--|
| HR | Clark, W.A., Micromachined Vibratory Rate Gyroscopes, Doctoral Dissertation, University of California, 1997. |
| HR | Juneau, T.N., Micromachined Dual Input Axis Rate Gyroscope, Doctoral Dissertation, University of California, 1997. |
| HR | Roessig, T.A.W., Integrated MEMS Tuning Fork Oscillators for Sensor Applications, Doctoral Dissertation, University of California, 1998. |
| Examiner | Helen Kwok |
| Date Considered | 11/16/01 |

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | | | | Filing/Issue Date Herewith | | Group Art Unit | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date |
| HZ | | 5,604,309 | 2/18/97 | Ward | — | — | |
| HZ | | 5,608,351 | 3/4/97 | Ward | — | — | |
| HZ | | 5,616,864 | 4/1/97 | Johnson, et al. | — | — | |
| HZ | | 5,621,171 | 4/15/97 | Fell | — | — | |
| HZ | | 5,635,638 | 6/3/97 | Geen | — | — | |
| HZ | | 5,635,639 | 6/3/97 | Greiff, et al. | — | — | |
| HZ | | 5,635,640 | 6/3/97 | Geen | — | — | |
| HZ | | 5,635,739 | 6/3/97 | Greiff, et al. | — | — | |
| HZ | | 5,635,787 | 6/3/97 | Mori, et al. | — | — | |
| HZ | | 5,652,374 | 7/29/97 | Chia, et al. | — | — | |
| HZ | | 5,656,777 | 8/12/97 | Petri, et al. | — | — | |
| HZ | | 5,672,949 | 9/30/97 | Ward | — | — | |
| HZ | | 5,696,322 | 12/9/97 | Mori, et al. | — | — | |
| HZ | | 5,696,420 | 12/9/97 | Inanaga, et al. | — | — | |
| HZ | | 5,698,784 | 12/16/97 | Hotelling, et al. | — | — | |
| HZ | | 5,739,410 | 4/14/98 | Fell | — | — | |
| OTHER DOCUMENTS (Include Author, Title, Date, Pertinent pages, etc.) | | | | | | | |
| HZ | | Lemkin, M.A., Micro Accelerometer Design with Digital Feedback Control, Doctoral Dissertation, University of California, 1997. | | | | | |
| HZ | | Clark, W.A., Howe, R.T., Horowitz, R., "Surface micromachined z-axis vibratory rate gyroscope," <i>IEEE Solid-State Sensor and Actuator Workshop</i> , Hilton Head, SC, pp. 283-287, June 1996. | | | | | |
| HZ | | Geiger, et al., "New Designs of Micromachined Vibrating Rate Gyroscopes with Decoupled Oscillation Modes," <i>Transducers 97</i> , Chicago, IL pp. 1129-32, June 1997. | | | | | |
| Examiner <u>Nelen Kwok</u> | | | | Date Considered <u>11/16/07</u> | | | |
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